Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Saturday 14 Jan 2023 until 23:59 on Sunday 15 Jan 2023

Forecast Issued on Saturday 14 Jan 2023 at 04:21

Confidence: High confidence for turning colder with the risk of some snow at lower levels and northwesterly winds later in the weekend.

Headline for Saturday 14 Jan 2023: Heavy rain at first, turning colder with rain turning to sleet later, becoming dry for a time then showery later with strengthening winds.

Mountain weather hazards on Saturday 14 Jan 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Low Likelihood	**Severe chill effect** Medium Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** Low Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Heavy Rain	Light rain	Light rain	Sleet showers	Light snow showers (night)	Light snow showers (night)
Precipitation probability					
90%	80%	60%	30%	60%	60%

Forecast for Saturday 14 Jan 2023

Weather: Cloudy with outbreaks of rain, heavy at times, perhaps sleet on the highest tops like Kinder Scout by late morning. Rain tending to clear east from late morning with some cloud breaks developing and perhaps some brighter or sunny spells. This afternoon showers will arrive and these will turn wintry above 500m, with a severe wind chill expected on the hills. Gales develop over exposed ridges and summits this evening.

Chance of cloud-free hill tops above 600m: 20%, improving to 80% for a time when the rain clears but dipping back to 40% in wintry showers later.

Low cloud and visibility: Extensive low cloud at first with overcast layers above 300m, perhaps cloud bases slightly higher around eastern areas. Visibility expected to be poor in rain. Cloud lifting and becoming more scattered from late morning with a good chance of distant views developing, as visibility improves very good. With afternoon and evening showers cloud will thicken and lower over the summits, and the visibility may turn poor for a time as wintry showers pass.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Saturday 14 Jan 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	32/40 S	24/29 W	27/35 W	29/37 W	33/42 W	33/44 W	36/48 SW
300	26/35 S	17/24 W	24/34 W	23/33 W	23/31 W	26/37 W	26/37 SW
Valley	14/32 S	12/25 W	17/33 W	16/33 W	16/34 W	18/37 W	18/38 SW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	5/-1	5/-0	2/-5	1/-7	0/-8	-0/-9	-1/-10
300	8/2	7/3	4/-2	4/-2	2/-4	2/-5	1/-6
Valley	8/4	7/4	5/0	4/-0	3/-2	3/-2	2/-4
Freezing Level*	1700m	1400m	800m	600m	500m	500m	300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Winds becoming very strong with gales developing on exposed ridges and summits this evening, leading to a significant wind chill. Freezing level lowering this afternoon and evening, down to 300m by midnight.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
03:00 on Sat 14 Jan 2023	5mm	12.2mm	28.8mm

Forecast for Sunday 15 Jan 2023

Weather: Clear spells and isolated showers at first. Then cloud and spells of snow, with widespread hill fog, arrive from the north by the end of the night. There is a chance of locally heavy snow arriving, which combined with the gales over the summits will lead to temporary blizzard conditions. Through the morning cloudy conditions persist while the snow becomes patchy and light. Mainly dry for the afternoon and evening, with perhaps some limited bright spells developing for the afternoon, but overall cloudy conditions with widespread hill fog will persist as the wind becomes light.

Maximum wind: West-southwesterly 35-40mph with gusts 45-50mph becoming southwesterly 10-15mph later.

Chance of cloud-free hill tops above 600m: 80% at first quickly becoming 10% or less by daybreak. Then little change, apart for possibly becoming 40% for a time in the afternoon as the cloud lifts a little.

Low cloud and visibility: Becoming extensive cloud above 400m by daybreak, with poor visibility and a chance off occasional blizzard conditions. Cloud lifting a little through the afternoon, becoming broken above 500m with visibility moderate for a time. Cloud lowering again in the evening as the wind eases.

Temperature: **Valleys:** Plus 5 falling to 3 Celsius later.
At 600m: Minus 1 Celsius.
Freezing level: 300-400m

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